

# **LABORATORY SUPPORT ADVISORY COUNCIL (LSAC) -- F\$M PROJECT UPDATE**

# Agenda

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- F\$M Project Update
  - ▣ Project Overview
  - ▣ Phase II-A Accomplishments to Date
  - ▣ Independent Review
  - ▣ Current Project Status
  - ▣ Reporting Functionality
  - ▣ Next Steps

# F\$M Value Proposition

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## F\$M Delivers

Vastly improved quality and access to Financial Data essential to effective research management

High value, end-to-end OCFO Services (e.g. Procurement) that are delivered promptly, efficiently and transparently

OCFO operational Efficiency that maximizes dollars directed to Science

Solution for institutional Risk-mitigation related to:

- Financial Compliance
- Cost Growth
- Technical Obsolescence (16 year old system based on LLNL architecture )

# Project Scope – OCFO Service Areas

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## DOE Funds & Gen Acct

- FWP's
- Funds control
- Planning
- Project management
- Costs & liens
- Indirect budget
- STARS transmission

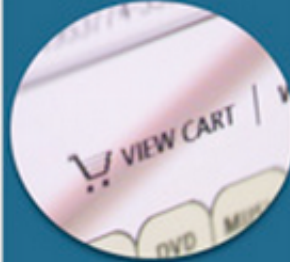
Phase II A



## WFO

- Proposal
- Negotiation
- Award
- Execution, Billing & AR
- Continuations
- Closeout

Phase II A



## Buying/ Paying

- Requisition
- Buying
- Receiving
- Asset mgmt.
- Invoice cert.
- Vendor pmt.

Phase II A & B



## Effort Accounting

- Timekeeping
- Payroll
- Labor Cost Distribution

Phase II B



## Travel & Conferences

- Authorizations
- Relocations
- Travel expense reports
- Meeting planning & coordination

Phase II B



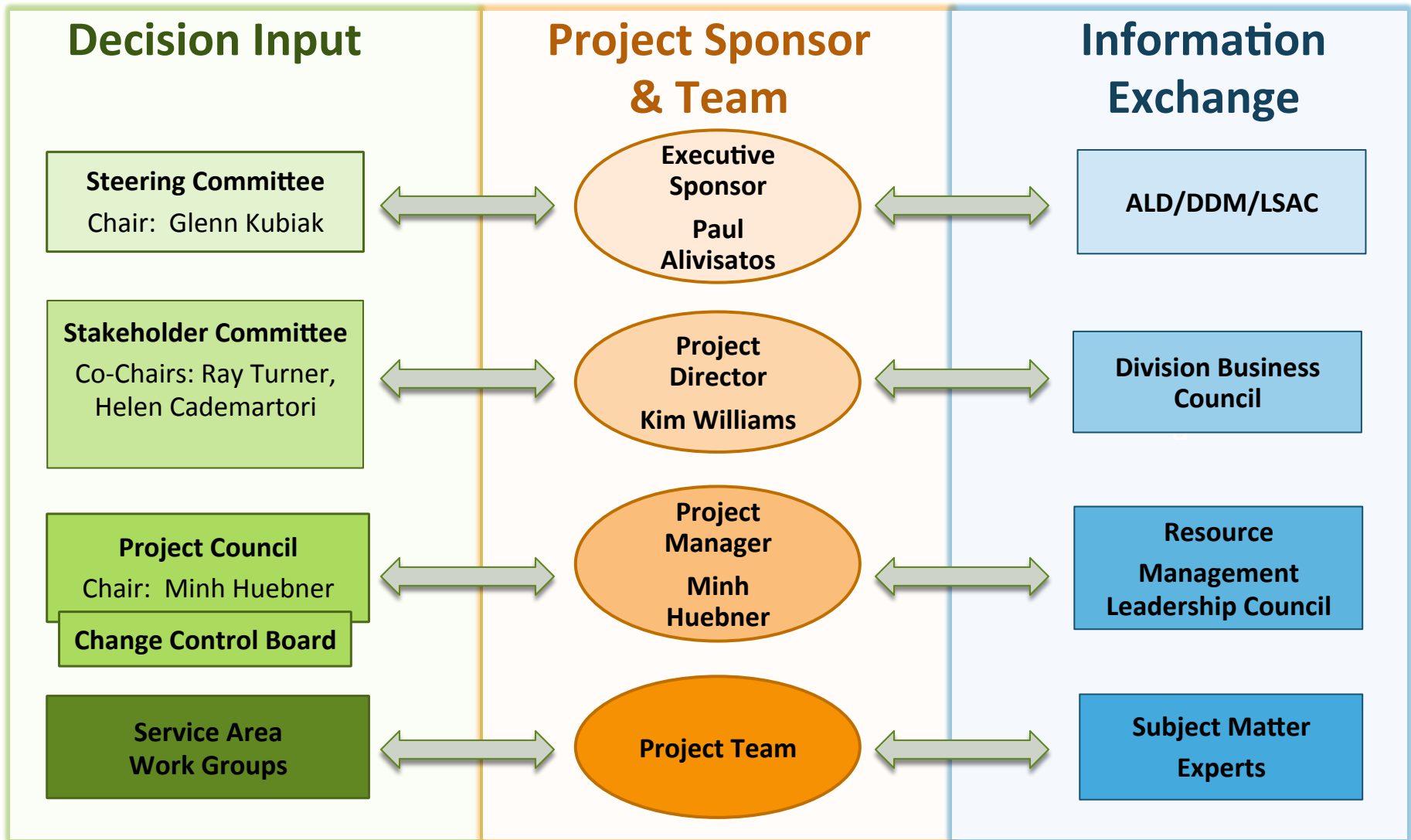
## Reporting/ Data Analysis

- Standard reports
- Dashboards
- Transaction details
- Data analysis tools
- Operations metrics

Phase II A & B

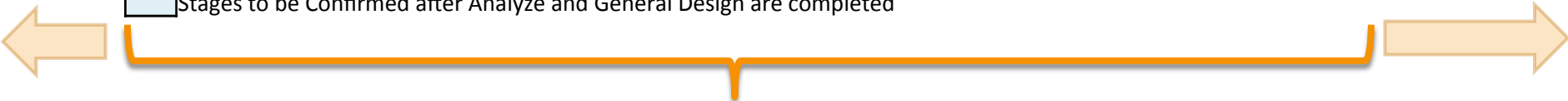
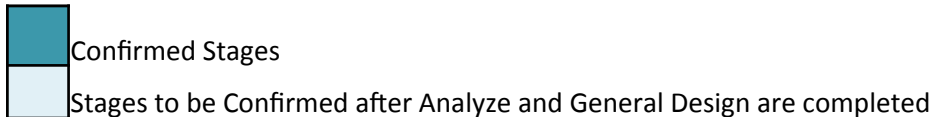
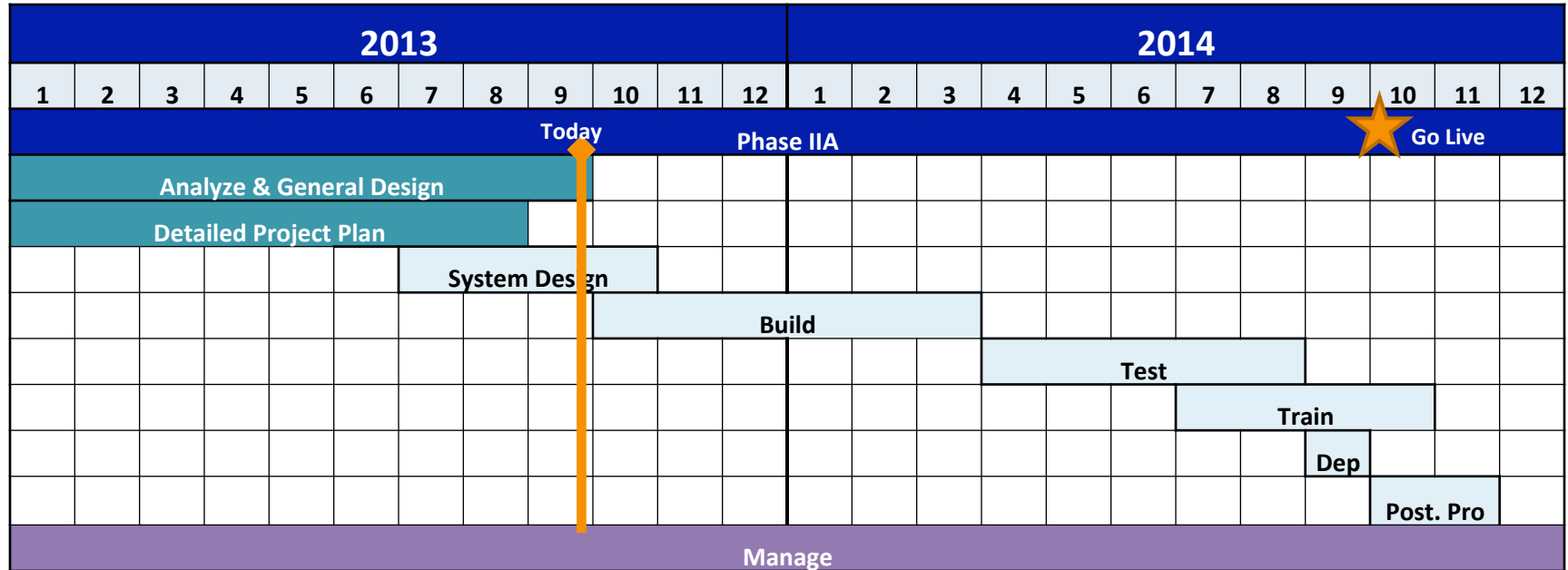
# Stakeholder Engagement Model

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# F\$M Project Timeline – Phase IIA

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F\$M Phase I:  
2011-2012

**Currently in  
Phase IIA: 2013-2014**

Potential F\$M  
Phase IIB  
2014 –2015

# F\$M Phase II-A Accomplishments

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- ✓ Phase II-A kicked off 2/4/2013
- ✓ Project Management Office (PMO) established
- ✓ Functional Leads & Service Area Teams in place
- ✓ Governance structure activated
  - ✓ Project Council meeting weekly
  - ✓ Steering & Stakeholder Committees meeting monthly
- ✓ Analyze & Functional Design complete
- ✓ Detailed Project Plan Developed
- ✓ Business Intelligence Strategy Developed
- ✓ Change Management plan developed & initiated
- ✓ Website launched: [fsm.lbl.gov](http://fsm.lbl.gov)



# F\$M Phase II-A Independent Review

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- **When:** September 12&13, 2013
- **Purpose:** In-Process Review of F\$M Project
  - ▣ Leverage outside expertise for objective evaluation & recommendations
  - ▣ Part of standard project management practice
- **Reviewers:**
  - ▣ **Kem Robinson** (Chair), Engineering Division Director & LBNL Project Management Officer
  - ▣ **Adam Cohen**, COO, Princeton Plasma Physics Laboratory
  - ▣ **Sandy Merola**, Senior Consultant, McCallum Turner Inc., & Former CIO & COO at LBNL, Former COO at SLAC
  - ▣ **Dave Leary**, CAC Member & Former Deputy Dir. for Operations, LLNL
  - ▣ **Linda Rakow**, CFO, SLAC
  - ▣ **Kris Hafner**, Assoc. VP – Info Resources & Comms & CIO, UCOP
- **Scope:**
  - ▣ 1) **Project Management:** Is the project being managed effectively for successful execution?
  - ▣ 2) **Functional:** Does the functional solution satisfy the Lab's business needs? Has the project adequately engaged stakeholders and incorporated input?
  - ▣ 3) **Technical:** Is the implementation approach likely to deliver the functional design?
- **Results:**
  - ▣ Responded w/ solid YES to all 3 questions
  - ▣ Provided recommendations to support project success



# F\$M Phase II-A Status

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## Major stages of F\$M Phase II-A

✓  **Analyze & General Design**

➔  **System Design**

 Build

 Test

 Train

 Deploy

As anticipated, collected more requested functionality than budgeted

Evaluated and prioritized

Identified strategies to redirect budget resources to cover prioritized scope

All business-critical requests and all core reporting needs are now in scope

Final scope is within budget

Total Project Budget  
including opportunity  
costs: \$19.5M

Remaining contingency:  
\$2.5M (20% of remaining  
project budget)

# Business Intelligence Strategy

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## STAKEHOLDER REPORTING REQUIREMENTS

- Dashboard views & “Bank Balances” for projects/portfolios
- More timely & accurate data
- Easier data roll-ups and slicing/dicing
- Export to Excel for custom analyses

## CURRENT REPORTING ENVIRONMENT

- 1,000s excel worksheets
- 2,300 private PS queries
- Repetitive manual tasks
- Uncertain data sources
- Inconsistent calculations
- Most widely used reporting tool only has cost data

## SOLUTION SET:

- Restructure data architecture to provide intuitive reporting
- Establish Governance to ensure data integrity
- Define & aggregate common data elements
- Provide differentiated tools for targeted audiences:
  - Divisions: Dashboards and drag & drop reports
  - OCFO Service providers: System delivered reports

# Targeted Reporting Tools

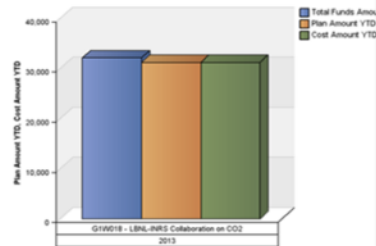
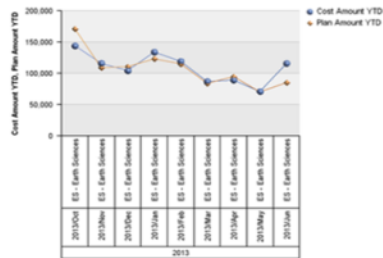
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## Dashboard Reporting

Division ES - Earth Sciences

PI Oldenburg/Curtis M

		Total Funds Amount	Plan Amount YTD	Cost Amount YTD	Uncommitted Funds Balance	Encumbrance Amount	Uncommitted Funding Balance
G61020 - Foreign Industry	10 - Labor Expenses	0	49,111.84	49,111.84	-49,111.84	0	-49,111.84
	90 - Overheads	0	31,222.72	31,222.72	-31,222.72	0	-31,222.72
G65000 - Universities and Institutes	00 - Funding	32,109.92	0	0	32,109.92	0	32,109.92
	10 - Labor Expenses	0	19,023.55	19,023.55	-19,023.55	0	-19,023.55
	30 - Recharges	0	60	60	-60	0	-60
	90 - Overheads	0	12,132.34	12,132.34	-12,132.34	0	-12,132.34
G830404GIFT - Gifts	10 - Labor Expenses	0	0	3,152.7	-3,152.7	0	-3,152.7
	50 - Misc Expenses	0	0	50	-50	0	-50
GAA - AA Coal	00 - Funding	1,947,448.03	0	0	1,947,448.03	0	1,947,448.03
	10 - Labor Expenses	0	441,447.03	442,483.02	-442,483.02	0	-442,483.02
	20 - Procurements	0	10,239.16	9,630.73	-9,630.73	73.14	-9,703.87
	30 - Recharges	0	13,703.94	14,229.55	-14,229.55	0	-14,229.55
	40 - Travel and Conferences	0	8,080.66	12,670.4	-12,670.4	0	-12,670.4
	90 - Overheads	0	257,393.79	258,834.63	-258,834.63	5.98	-258,840.61
GZERT - ZERT Summary project	00 - Funding	87,613.02	0	0	87,613.02	0	87,613.02
	10 - Labor Expenses	0	39,017.85	37,854.98	-37,854.98	0	-37,854.98
	20 - Procurements	0	11,203.45	10,039.79	-10,039.79	0	-10,039.79
	30 - Recharges	0	418.62	140.44	-140.44	0	-140.44
	40 - Travel and Conferences	0	0	2,945.93	-2,945.93	0	-2,945.93
	90 - Overheads	0	24,028.03	23,420.2	-23,420.2	0	-23,420.2



Aggregated view of portfolio/project information with drill down to details

Web Based

Key Users:

Division Managers

Program & Business

Managers

Principal Investigators

Project Managers

# Targeted Reporting Tools

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## Analysis Studio

	2013	Total Funds Amount	Cost Amount YTD	Encumbrance Amount	Plan Amount YTD
3661 - EARTH SCIENCES		2,214,000	1,443,242.71	8,039.06	1,620,955.06
4651 - ESD Organization Bu		0	-404,018.59	65,139.62	-201,611.56
ESMLA - ES MIA		0	233,367.93	0	0
G225 - Scientific Assessment		185.02	0	0	0
G2490AR - NavCat CO2 Re		2,647.76	0	0	0
G2530AR - NMAP Industrial		607,508.26	605,182.52	0	607,507.83
G342 - TDS ANNA		227,595.44	226,799.79	0	226,798.33
G35801 - Review Geotherm		15,000	14,830.03	0	14,830.03
G401000 - Dept of Agricul		38.85	38.87	0	38.87
G401000 - NRE		903,346.08	464,607.65	185,595.14	479,919.62
G401000 - Dept of Defense		209,763.64	90,382.57	3,962.09	92,719.89
G406000 - Dept of Interior		677,578.04	398,252.63	58,448.3	213,945.06
G408000 - EPA		790,878.13	337,184.13	623.74	336,122.79
G409000 - NASA		425,586.46	117,388.43	556.62	117,388.43

**Report authoring with analytic capabilities**

**Key Users:**  
Resource Analysts  
Budget Office Staff

## Query Studio

Fiscal Year	Project ID	Cost Amount YTD	Plan Amount YTD	Encumbrance Amount
2013	2013 - EARTH SCIENCES	1,443,242.71	1,620,955.06	22,287.83
2013	4651 - ESD Organization Bu	-404,018.59	-201,611.56	-201,611.56
2013	ESMLA - ES MIA	233,367.93	0	0
2013	G225 - Scientific Assessment	185.02	0	0
2013	G2490AR - NavCat CO2 Re	2,647.76	0	0
2013	G2530AR - NMAP Industrial	607,508.26	605,182.52	0
2013	G342 - TDS ANNA	227,595.44	226,799.79	0
2013	G35801 - Review Geotherm	15,000	14,830.03	0
2013	G401000 - Dept of Agricul	38.85	38.87	0
2013	G401000 - NRE	903,346.08	464,607.65	185,595.14
2013	G401000 - Dept of Defense	209,763.64	90,382.57	3,962.09
2013	G406000 - Dept of Interior	677,578.04	398,252.63	58,448.3
2013	G408000 - EPA	790,878.13	337,184.13	623.74
2013	G409000 - NASA	425,586.46	117,388.43	556.62

**Ad hoc reporting and downloadable data tables**

**Key Users:**  
Business & Program Managers  
Resource Analysts

## CAFE

Measure	Columns	Rows
2013	2013 - EARTH SCIENCES	1,443,242.71
2013	4651 - ESD Organization Bu	-404,018.59
2013	ESMLA - ES MIA	233,367.93
2013	G225 - Scientific Assessment	185.02
2013	G2490AR - NavCat CO2 Re	2,647.76
2013	G2530AR - NMAP Industrial	607,508.26
2013	G342 - TDS ANNA	227,595.44
2013	G35801 - Review Geotherm	15,000
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2013	G406000 - Dept of Interior	677,578.04
2013	G408000 - EPA	790,878.13
2013	G409000 - NASA	425,586.46

**Excel Add In for advanced analysis and complex data modeling**

**Key Users:**  
Budget Office Staff  
Resource Analysts

**All tools use consistent data measures and dimensions and work together as an integrated solution**

# Future Project Stages

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## Build

- Develop system, configuration, & customization
- Pilot testing
- Documentation



## Test

- Develop Test Plans
- System Testing
- User testing



## Train

- Develop Training Plan
- Develop & Deliver Training & Performance Support



## Deploy – 10/1/14

- System Launch
- User support